

Appl. No. 10/606,108  
Reply to Office Action of March 6, 2007  
Amdt. Dated 6/6/2007

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-20 (Canceled).

21. (Currently Amended) A magnetic head assembly for a helical scan drive comprising:

a magnetic recording head, having a leading side and a trailing side relative to the traveling direction of a magnetic recording medium and fabricated in a thin film forming process, at least one auxiliary member adhered to either said leading side or said trailing side of said magnetic recording head, said magnetic recording head mounted in a helical scan drive and including:

a substrate,

a first magnetic core formed above said substrate and having a front end portion,

a second magnetic core formed above said substrate and having a front end portion and a back end portion, said back end portion being connected to said first magnetic core,

a magnetic gap of predetermined thickness provided between said front end portion of said first magnetic core and said front end portion of said second magnetic core,

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a coil having a portion disposed between said first magnetic core and said second magnetic core for developing a magnetic flux between the front end portions of said first and second magnetic cores,

wherein a width of said second magnetic core at the front end portion thereof is equal to or smaller than a width of said first magnetic core; and wherein

the first magnetic core and the second magnetic core each has a narrow region located nearest to the recording medium and a widening portion wherein the width of the cores each increases, the first magnetic core and the second magnetic core each has a widened portion that is substantially wider than the region located nearest the recording medium and which is adjacent the widening portions and the coil portion is located between the first and second magnetic cores only at the widened portions of the first and second magnetic cores, the widened portions having a generally constant width at the location of the coil portion, and further wherein the portion of the coil between the widened portions of the magnetic cores is at a longer side of the coil, the coil having both longer and shorter sides.